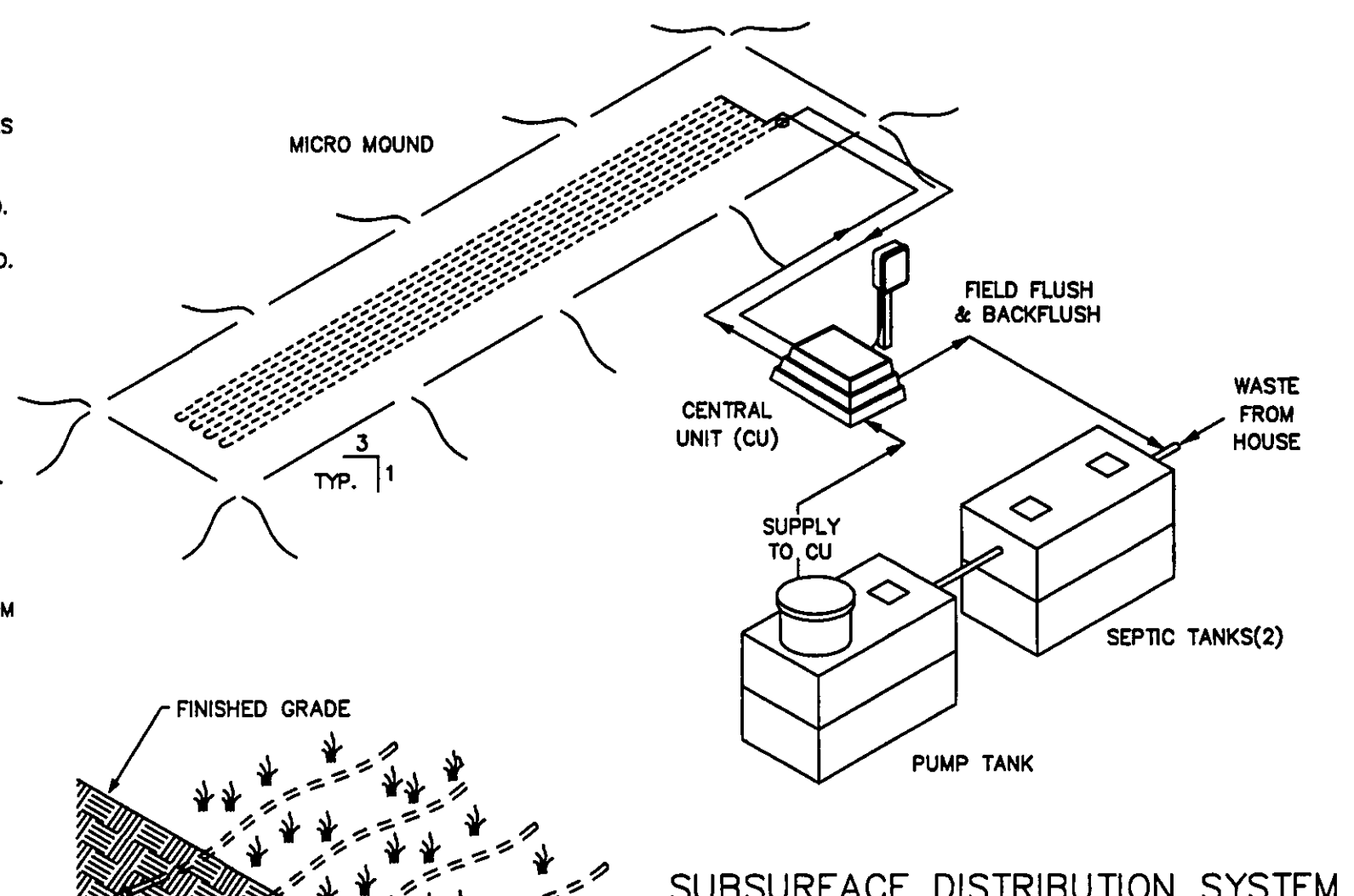


GENERAL NOTES - DRIP DISPOSAL

1. ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO COUNTY CODES AND STATE BOARD OF HEALTH "SEWAGE HANDLING AND DISPOSAL REGULATIONS" PERTAINING TO ON SITE SEWAGE SYSTEMS AND THE PERMIT FOR THIS SITE.
2. THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURER OF THE EQUIPMENT.
3. ALL PVC PIPE AND FITTINGS SHALL BE PVC SCH 40 TYPE 1 RATED FOR PRESSURE APPLICATIONS. ALL GLOVED JOINTS SHALL BE CLEANED AND PRIMED WITH PURPLE (DYED) PVC PRIMER PRIOR TO BEING GLUED.
4. ALL CUTTING OF PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING SHALL BE ACCOMPLISHED WITH PIPE CUTTERS APPROVED BY MANUFACTURER. NO SAWING OF PVC, FLEXIBLE PVC OR DRIPPER TUBING ALLOWED.
5. ALL PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING IN THE WORK AREA SHALL HAVE THE ENDS COVERED WITH DUCT TAPE TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE PIPE. PRIOR TO GLUING ALL JOINTS SHALL BE INSPECTED FOR AND CLEARED OF ANY CONSTRUCTION DEBRIS.
6. NO WET WEATHER INSTALLATION IS PERMITTED.
7. NO ACTIVITY ON DRAINFIELD AREA OTHER THAN MINIMUM REQUIRED TO INSTALL SYSTEM. DO NOT PARK EQUIPMENT, DRIVE LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRAINFIELD SITE.
8. HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
9. THE BUILDING SEWER SHALL BE 4" SCH40 PVC WITH A MINIMUM SLOPE OF 1/4" PER FOOT. THERE SHALL BE NO BENDS GREATER THAN 45 DEGREES. CLEANOUTS SHOULD BE PROVIDED EVERY 25 FEET. FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".
10. IF TREES ARE TO BE REMOVED FROM SITE, CUT STUMPS FLUSH WITH GROUND. REMOVE BY HAND.
11. GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE DRAINED VIA 2" PVC PIPE, SCREENED AT INLET AND OUTLET, DISCHARGE TO BE AT GRADE DOWN SLOPE (TO ENSURE DRAINAGE OF SURFACE WATER FROM UNIT).
12. THE CONTRACTOR SHALL BE CERTIFIED TO INSTALL THIS TYPE OF SYSTEM BY THE MANUFACTURER AND SHALL HOLD A PRE CONSTRUCTION MEETING WITH THE INDIVIDUALS RESPONSIBLE FOR SOIL EVALUATION, PERMITTING AND INSPECTIONS PRIOR TO SITE WORK BEGINNING TO INSURE PROTECTION OF THE SITE CONDITIONS AND TO ENSURE THE SYSTEM IS INSTALLED ACCORDING TO DESIGN.
13. IF SITE CONDITIONS ARE DETERMINED TO REQUIRE THE INSTALLATION OF THE SYSTEM TO DEVIATE FROM THESE PLANS, ALL SITE WORK SHALL STOP IMMEDIATELY AND THE DESIGNER SHALL BE NOTIFIED. ANY ONGOING WORK SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
14. DRAINFIELD SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.



SCOPE: DOMESTIC SEWAGE WILL FLOW BY GRAVITY THROUGH THE SEPTIC TANK THEN INTO A FINAL DOSING TANK. THE CENTRAL UNIT WILL DISPOSE OF THE EFFLUENT BY ALTERNATELY DOSING MULTIPLE ZONES IN THE ABSORPTION AREA. THE CENTRAL UNIT COMPRISES BOTH THE CONTROL AND THE HYDRAULIC UNITS.

AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

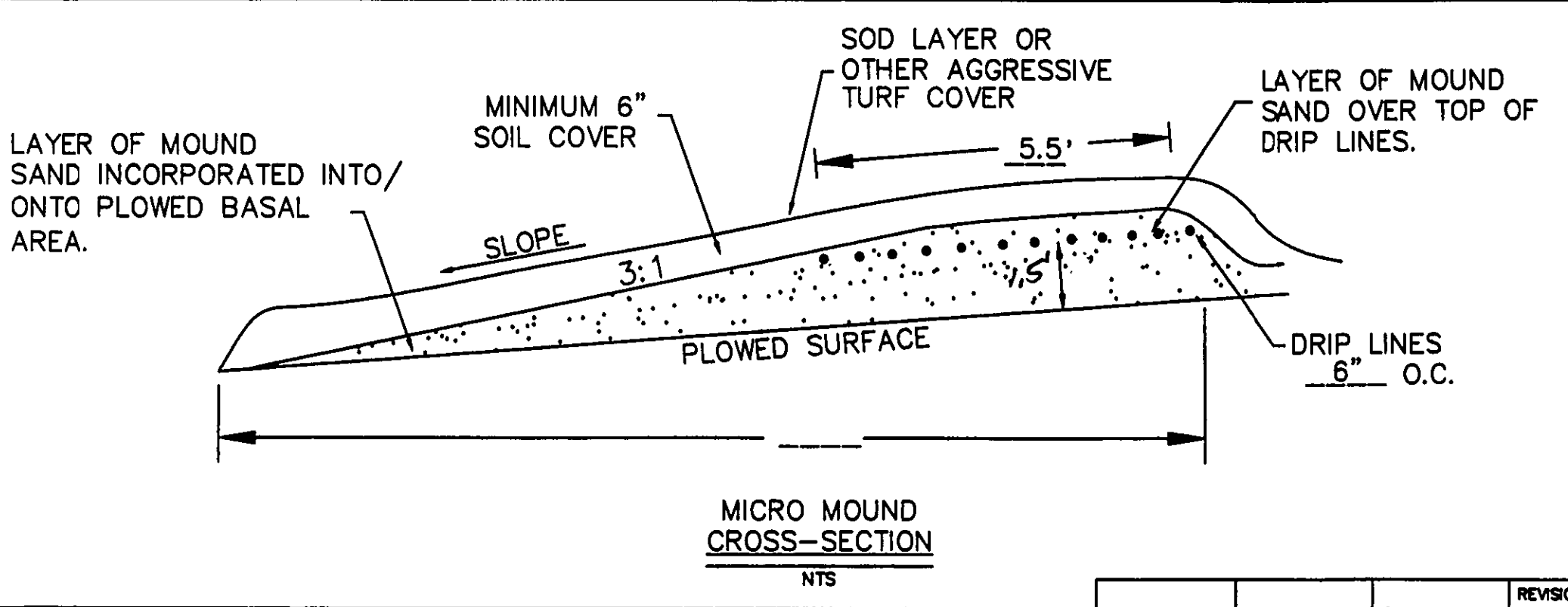
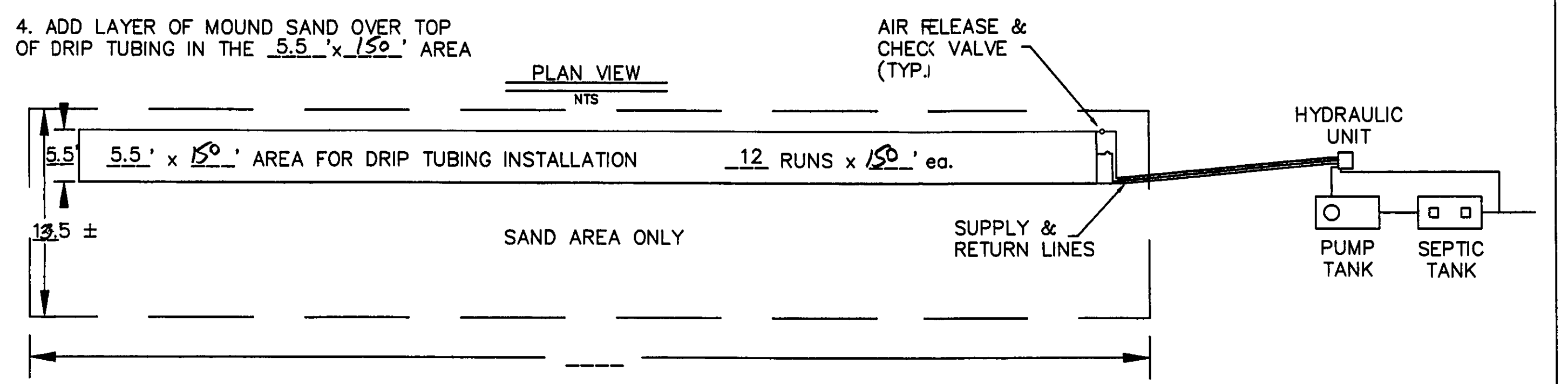
PROJECT NAME: _____ DR. BY: _____ DATE: _____
CK. BY: _____ DATE: _____
APP. BY: _____ DATE: _____
TITLE: _____

COUNTY: _____ COVER SHEET

REV. FILE: _____ SCALE: _____ SHEET OF _____

NOTES:

1. PLOW ENTIRE 13.5' x 154' AREA OF DRAINFIELD (SAME WAY YOU WOULD A REGULAR MOUND).
2. ADD LAYER OF MOUND SAND INCORPORATING IT INTO/ONTO PLOWED BASAL AREA.
3. PLACE DRIP TUBING ON TOP OF SAND IN THE 5.5' x 150' UPPER SECTION OF DRAINFIELD.
4. ADD LAYER OF MOUND SAND OVER TOP OF DRIP TUBING IN THE 5.5' x 150' AREA
5. COVER ENTIRE 13.5' x 154' AREA OF DRAINFIELD WITH A MINIMUM COVER OF 6" OF TOPSOIL WITH A TURTLE-BACK GRADE FOR POSITIVE DRAINAGE.
6. AN AGGRESSIVE TURF COVER OVER ENTIRE 13.5' x 150' AREA IS RECOMMENDED (PREFERABLY SOD).



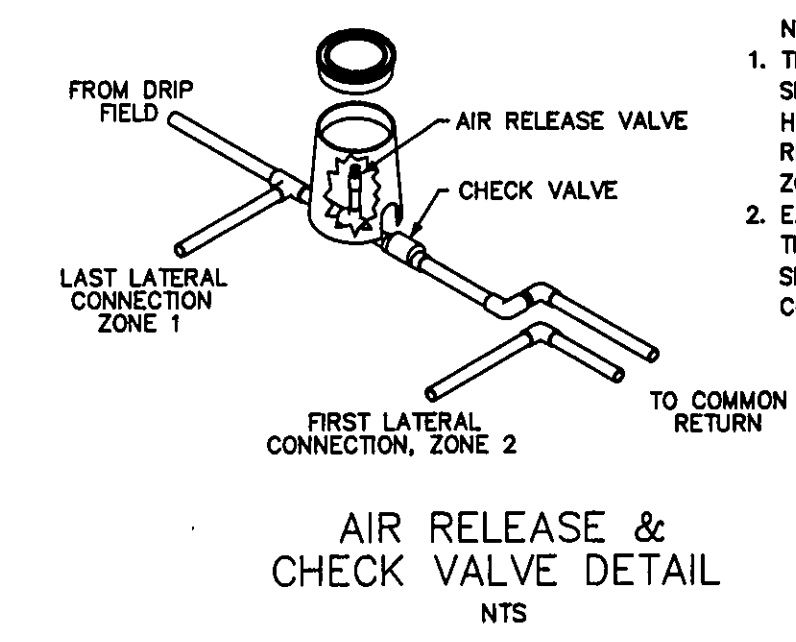
BASAL AREA: 5.5' x 150' = 825 sqft
BASAL AREA LOADING: .17 gpd/sqft
SAND BED: 12' x 150' = 1800 sqft
SAND BED LOADING: 0.44 gpd/sqft
DRIP TUBING: 12' x 150' = 1800 L.F.
ZONE 1: 6 runs x 150' = 900 L.F.
ZONE 2: 6 runs x 150' = 900 L.F.
LANDSCAPE LINEAR LOAD: _____ gpd/L.F.

AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON ROAD, GAINESVILLE VA 20155 PHONE: 703-754-0077

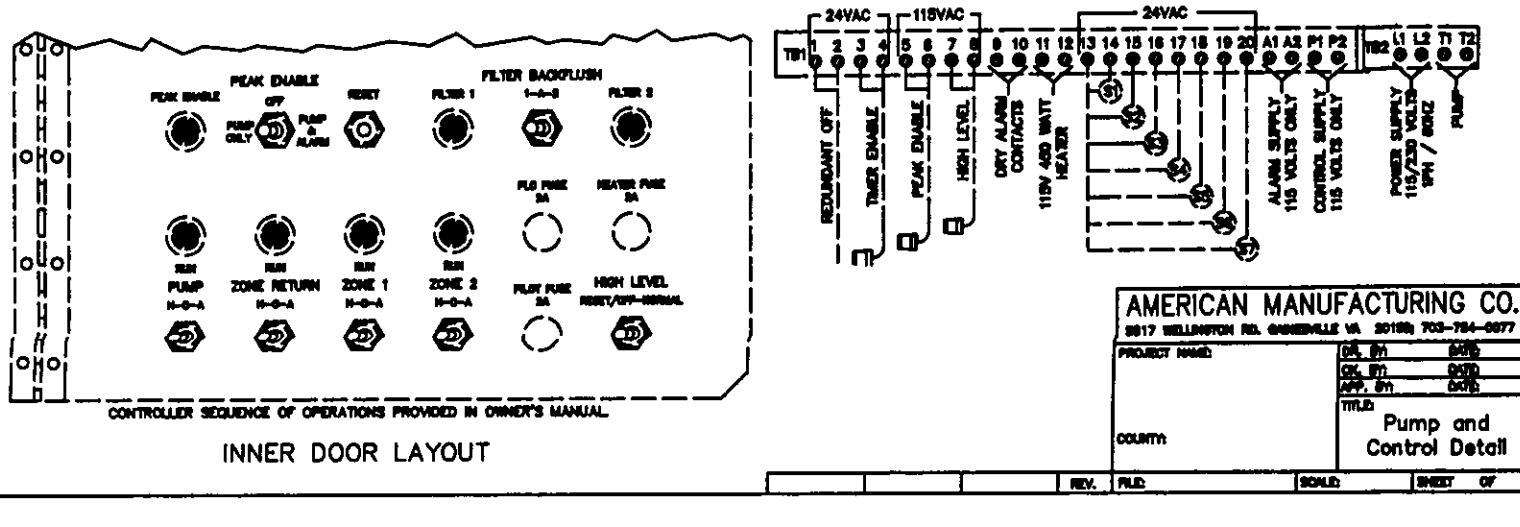
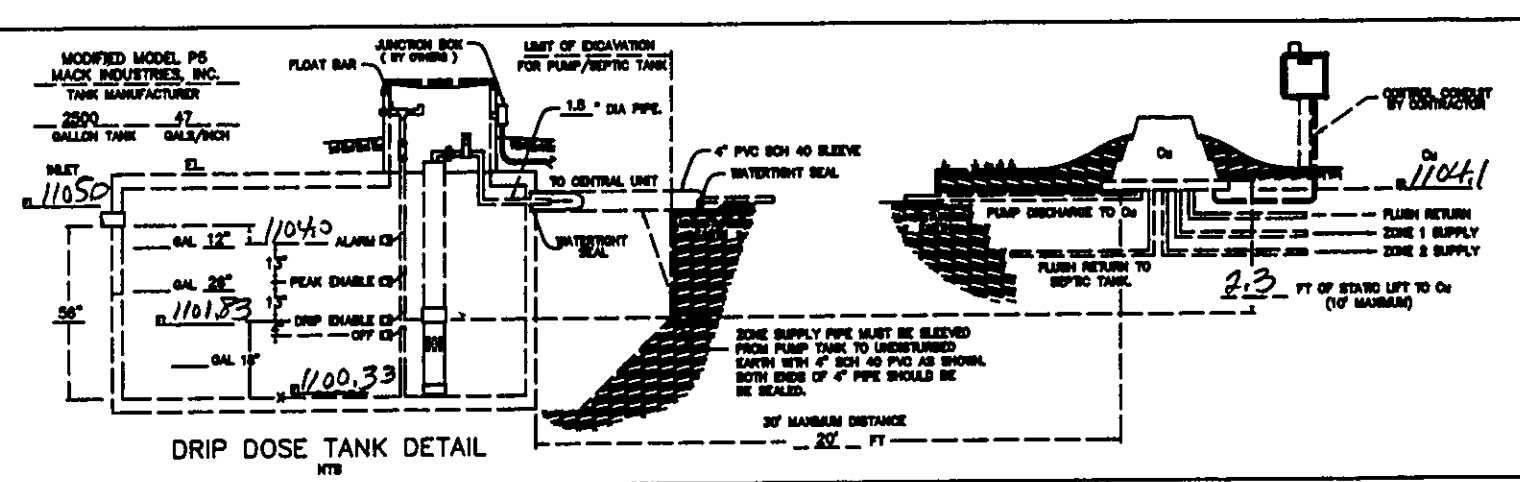
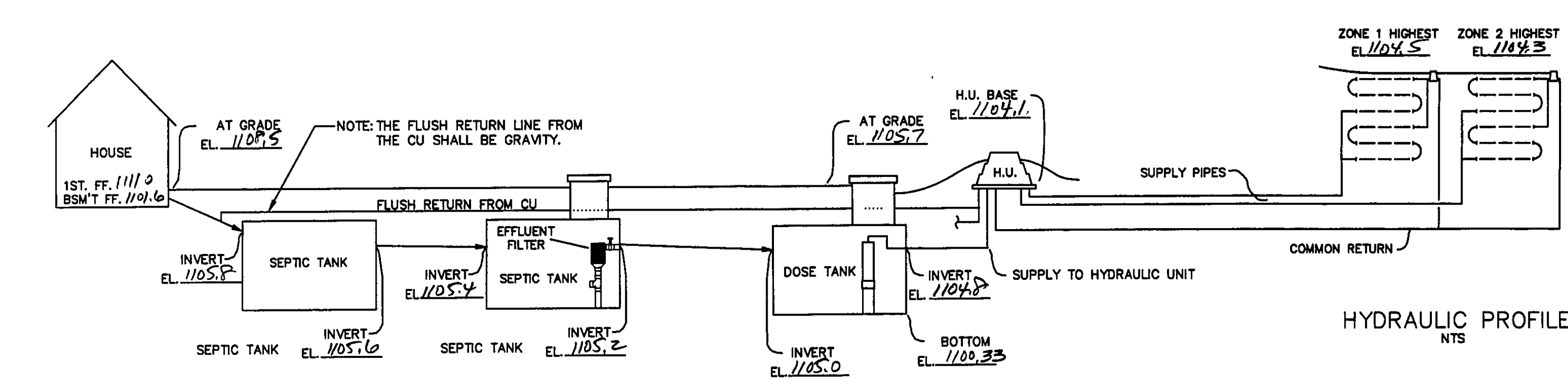
PROJECT NAME: _____ DRAFTER: _____ DATE: _____
CHECKED: _____ DATE: _____
APPROVED: _____ DATE: _____
TITLE: TREATMENT SCHEMATIC

COUNTY: _____ DESIGNED BY: _____

REVISION FILE: P:\ACAD\PACK99\CARR SCALE: NTS SHEET OF _____

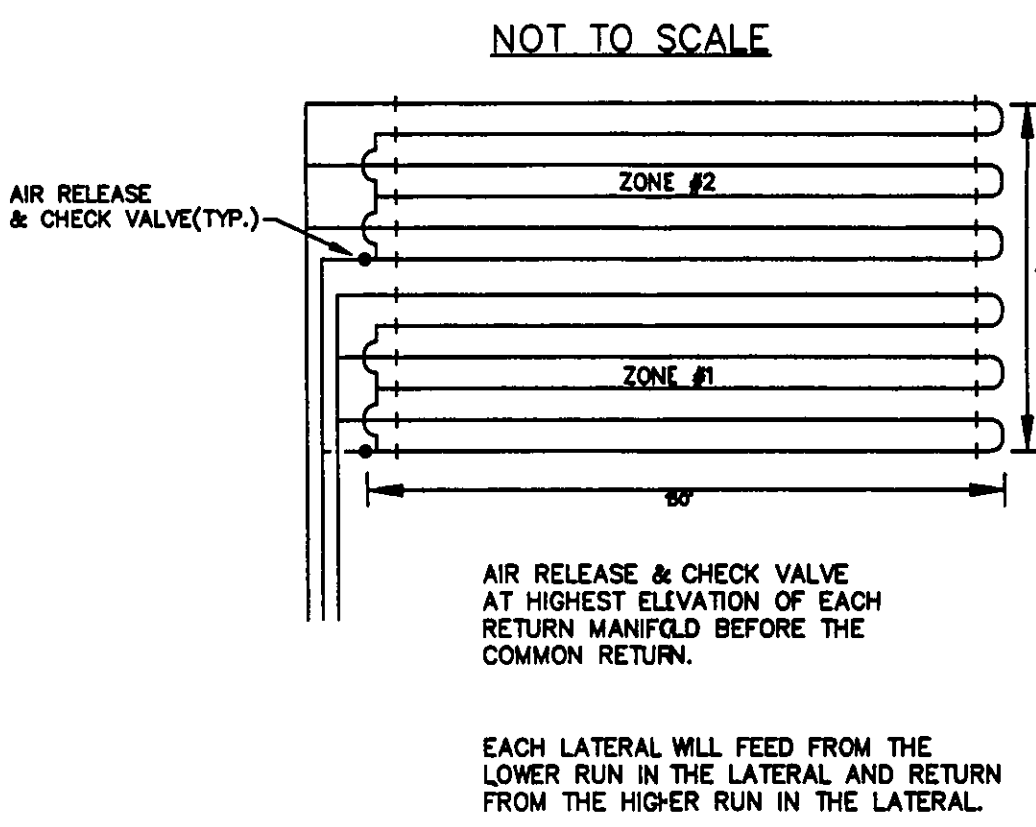
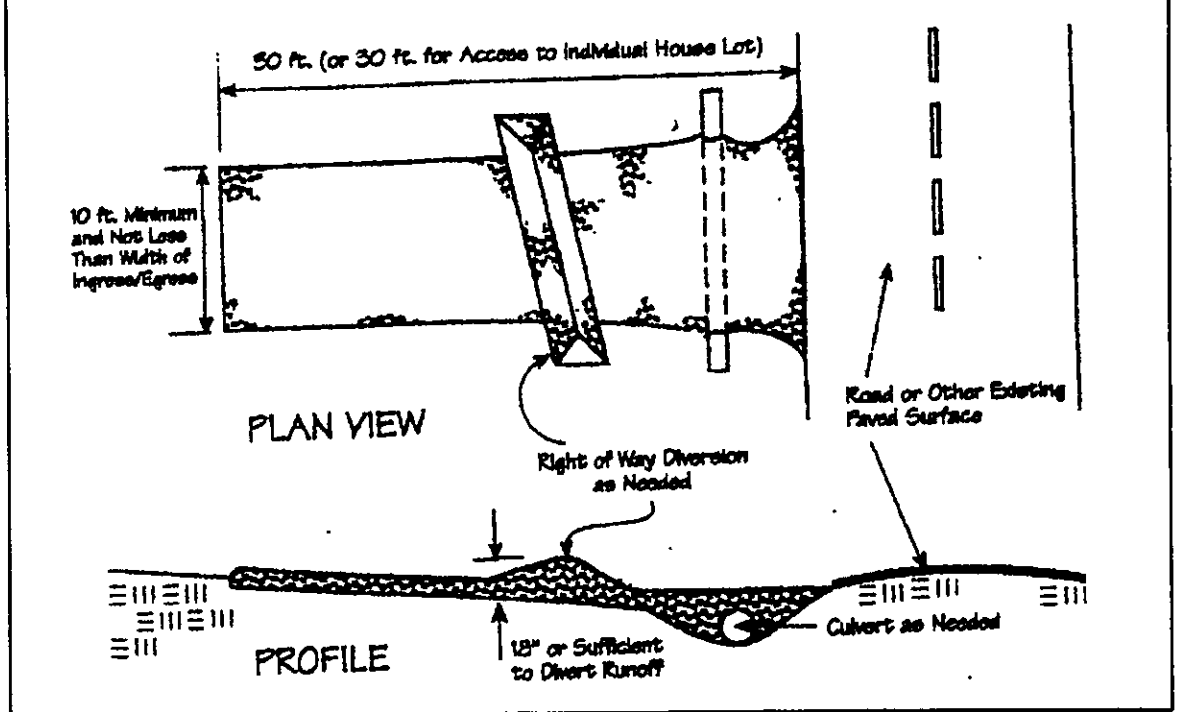


- NOTE:
1. THE AIR RELEASE VALVE SHALL BE PLACED AT THE HIGHEST POINT ON THE RETURN LINE OF EACH ZONE.
 2. EACH ZONE TO HAVE THE SAME VALVE BOX SETUP AND THEREAFTER CONNECTED.



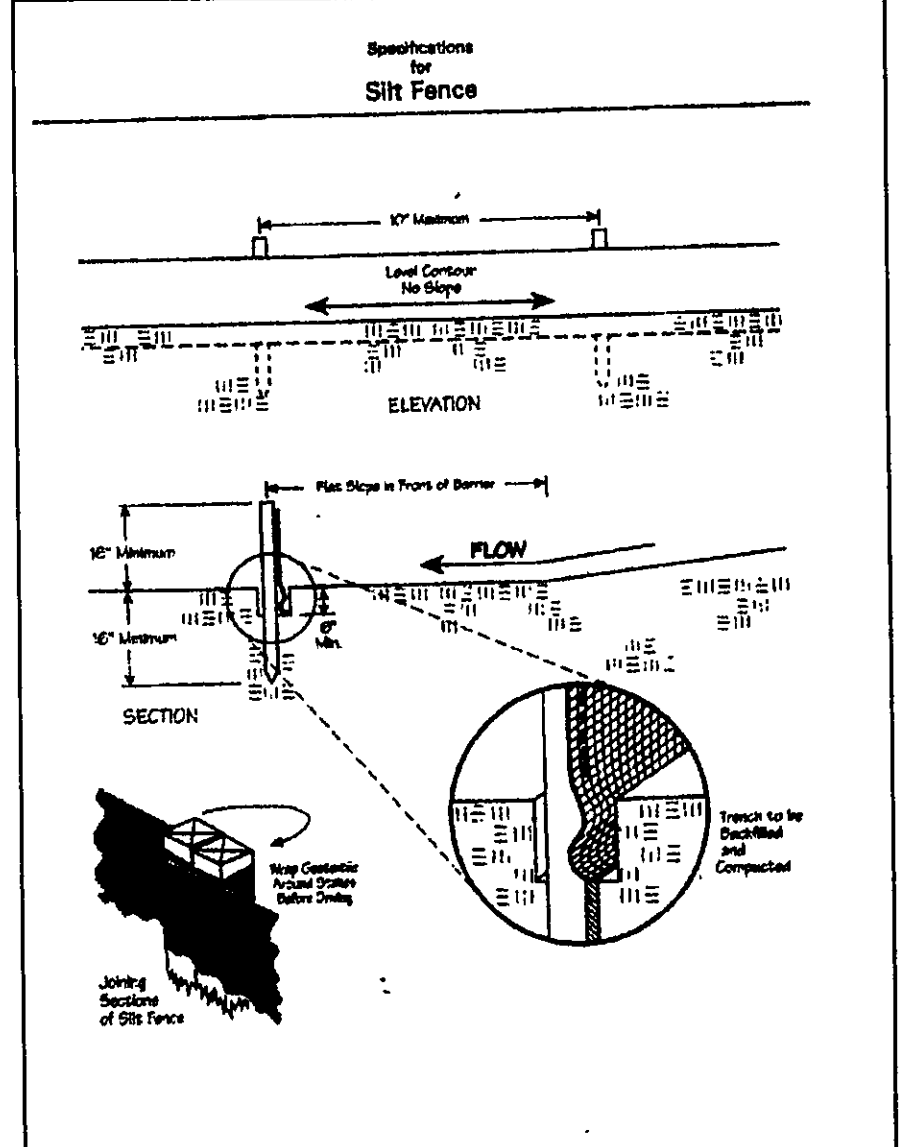
Temporary Seeding Species Selection				
Seeding Dates	Species	Lb./1,000 ft. ²	Per Ac.	
March 1 to August 15	Oats	3	4 bushel	
	Tall Fescue	1	40 lb.	
	Annual Ryegrass	1	40 lb.	
	Perennial Ryegrass	1	40 lb.	
August 16 to November 1	Rye	3	2 bushel	
	Tall Fescue	1	40 lb.	
	Annual Ryegrass	1	40 lb.	
	Perennial Ryegrass	1	40 lb.	
November 1 to Spring Seeding	Wheat	3	2 bushel	
	Tall Fescue	1	40 lb.	
	Annual Ryegrass	1	40 lb.	
	Perennial Ryegrass	1	40 lb.	

Note: Other approved seed species may be substituted.

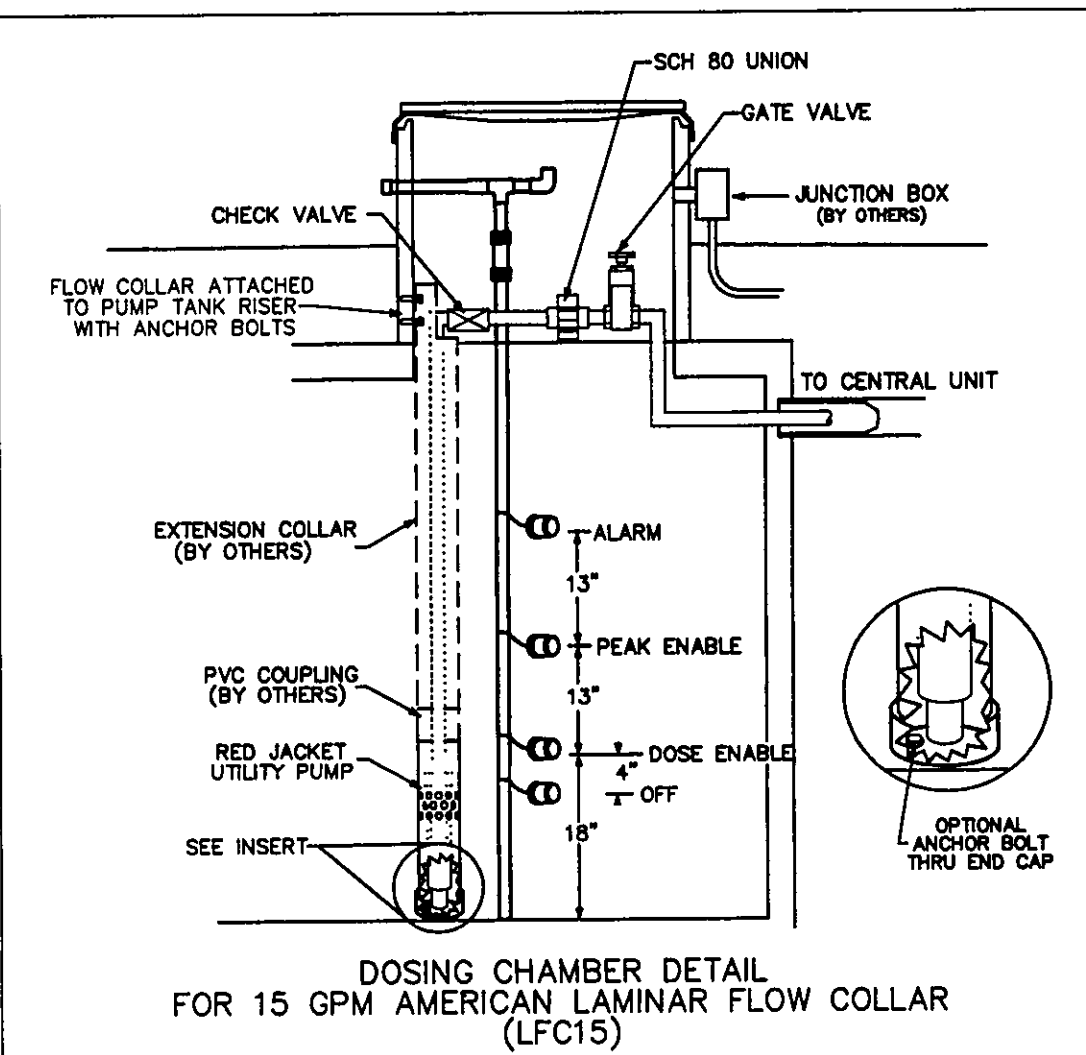


I CERTIFY THIS IMAGE SYSTEM DESIGN MEETS THE MINIMUM REQUIREMENTS ESTABLISHED BY THE LOGHD IN THE HSTS GUIDANCE MANUAL, AND THE REQUIREMENTS AND RECOMMENDATIONS OF THE SYSTEM MANUFACTURER.

James R. Gills, P.E.
Reg. No. 46343



AERMOTOR MODEL: TEP20-50-115
1.25\"/>



Erosion and Sediment Control Schedule

Ingress-Egress
A stone access drive complete with under lying geo-textile fabric (20 feet wide and 50 feet long) for ingress and egress at the site shall be installed. This drive shall be the only entrance and exit to the site.

Silt Fence
A silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street.

Temporary Seeding
Disturbed areas of the site that are to remain idle for more than twenty-one(21) days shall be properly seeded and straw mulched within seven(7) days of completion of initial grading. Temporary seeding and mulching as a thirty(30) foot strip of the entire front of the lot shall be maintained on the site once initial grading is complete.

Stabilization of critical areas within fifty(50) feet of any stream or wetland shall be complete within two(2) days of the disturbance if the site is to remain inactive for longer than fourteen(14) days.

Mulching
Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty(30) feet to the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed silt fence.

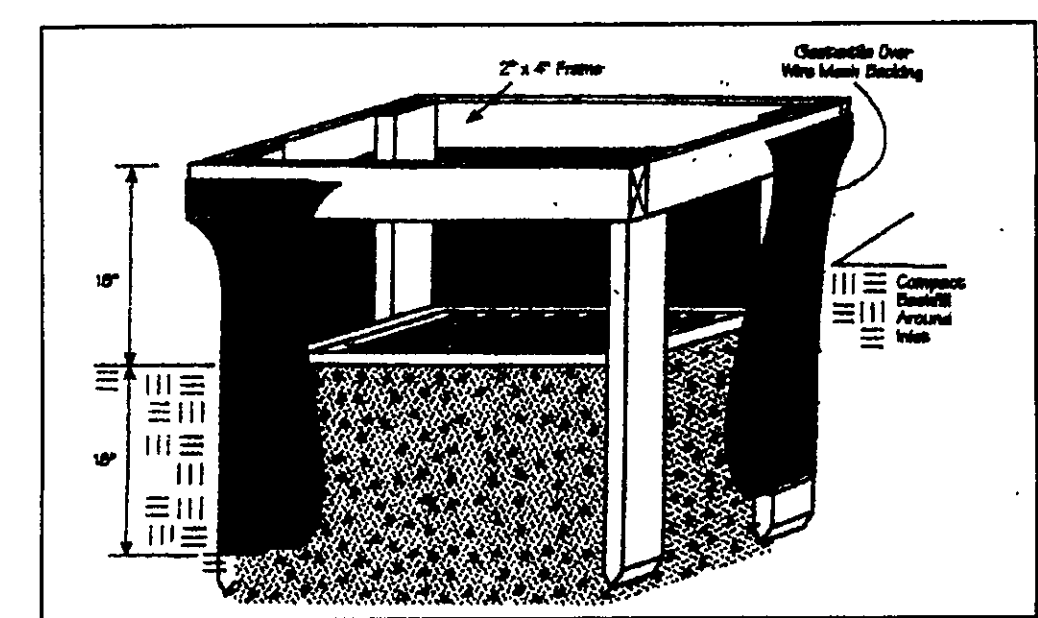
Maintenance
Erosion and sediment controls shall be inspected every seven(7) days or within 24 hours of a 0.5\"/>

ROBERT B. & PAMELA SUYDAM
VOL. 426 - PG. 972
8A-1A-9

IRENE E. POLK
No. 2004R051239
8A-1A-22

CONCORD TOWNSHIP ZONING OFFICE
Zoning Permit # 0207-12993
Date Issued 2/2/07
Subject to Approval By:
☒ Lake Co. Engineer/Storm Water Mgmt.
☐ Lake Co. Utilities Dept.
☐ Lake Co. Soil + Water District
☐ Lake Co. Health District
☐ Lake Co. Building Dept.

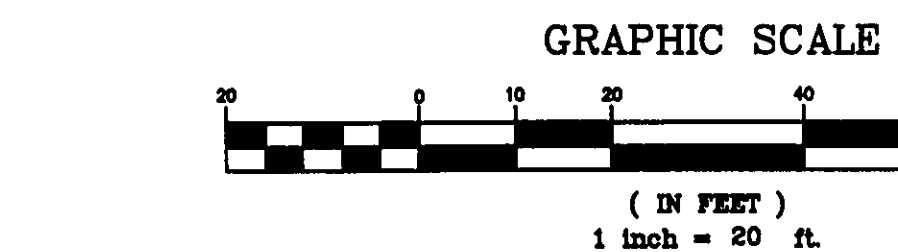
DONALD J. JERNEJCIC JR.
VOL. 238 - PG. 267
8A-1A-21



DRIP DISTRIBUTION PLAN SUBMITTAL REVIEW

I, the undersigned hereby certify that this topography indicated by 5', 1', or 2' contours, and elevations shown hereon represent an actual field survey made by me on the 10th day of Oct, 2006 and that the elevations were taken at appropriate intervals and that as of that date they existed as indicated hereon.

James R. Gills, P.E.
Reg. No. 46343



LLR = 2.4
 $\frac{360}{2.4} = 150'$
30' to BED ROCK
MORAIN - 6' + 1.5' = 7.5'
length of mound = 150' + 6' + 6' = 162'
width of mound = 5.5' + 6' + 6' = 17.5'

EXISTING UTILITIES NOTE:
THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, BABCOCK, JONES AND ASSOCIATES, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.



REV. NO.	DESCRIPTION	DATE	BY	CHK'D
1	CHANGED TO DRIP SYSTEM	11/16/06	B.P.	H.J.
2	REVISED FOR L.C. HEALTH DEPT	11/21/06	HJ	HJ
3	ADDED HOUSE	1/25/07	HJ	HJ

Drip distribution area has been field verified and protected with marking tape
Plans submitted to LOGHD and meet design criteria
Hydraulic calculations verified and accurate

Date: 1/30/07
1/30/07
1/31/07

DJ
DJ
DJ

BABCOCK, JONES AND ASSOCIATES, INC
CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS
PAINESVILLE OHIO 44077

DATE	10/17/06
DESIGN BY	H.J.
DRAWN BY	B.P.
APPROVED BY	H.J.
CREW CHIEF	E.H.

SITE PLAN
FOR
FORESTVIEW PROPERTIES
COLBURN ROAD (P.P.# 8A-1A-20)
LAKE COUNTY
STATE OF OHIO

SCALE	1"=20'
JOB NO	06-226
SHEET	1
OF	2